



TENDRING
RURAL DISTRICT
COUNCIL

ANNUAL REPORT

of the

Medical Officer of Health

for 1970

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TENDRING RURAL DISTRICT COUNCIL

ANNUAL REPORT OF THE MEDICAL OFFICER OF HEALTH FOR 1970

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D. H. Crosfield, J.P.

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.....

R. A. STENHOUSE L.M.S.S.A.(Lond.), D.P.H. (R.C.P & S.,)
F.R.I.P.H.H.

Medical Officer of Health to the Urban Districts of Clacton.
Brightlingsea, Frinton and Walton, the Rural District of
Tendring and Assistant County Medical Officer.

J. SMITH, Cert R.S.H., M.A.P.H.I., Cert. L. Housing.
Chief Public Health Inspector.

T. M. WHITE, Cert. R.S.H., M.A.F.H.I.,
Deputy Chief Public Health Inspector.

J. McLELLAN, Cert. R.S.A. (Scot.), Cert R.S.A. (Scot), Cert.
Meat and Foods.
Additional Public Health Inspector.

M. APFLEBY, Dip. of P.H.I.E.F
Additional Public Health Inspector.

MISS V. G. HENAGULPH, Clerk to the Medical Officer of Health.

R. G. DEENAM, Clerk to the Chief Public Health Inspector.

MISS J. BUTTERY,
Clerk/Shorthand-Typist to the Chief Public Health Inspector.

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Council Offices
Weeley
Clacton-on-Sea,
Essex.

Mr. Chairman, Ladies and Gentlemen,

I have pleasure in presenting the Annual Report on the state of the Public Health in the Rural District of Tendring for the year 1970.

The birth rate remain at 19.0 per thousand of the population, which is one point above the national figure. There is some increase in the number of illegitimate births.

The death rate at around 11.0 per thousand is about one point below the figure for the country as a whole. Infant mortality has increased to 19.0 which is still, however, only one point above the national figure. The infant mortality rate for the district does vary quite widely from year to year owing to the small numbers involved, there being seven deaths of infants under one year and two still births. These deaths, which all occurred in hospital were mainly due to prematurity or congenital abnormalities.

There were notified 175 cases of infectious disease which included 162 cases of Measles. The biennial pattern of this disease still tends to persist in spite of vaccination but it should be remembered that in 1963 nearly 600 cases were notified. No cases of Food Poisoning were received.

Consideration of the table giving causes of death shows that cancer is still increasing with a predominance in males as hitherto, particularly with regard to lung cancer. Heart disease remains the most common cause of death.

Attendance at the County Clinic for immunisation amounted to a total of 938, including 374 against Diphtheria, Tetanus and Pertussis, 402 for Poliomyelitis, 141 for Measles and 21 for Rubella. 83 vaccination against Smallpox were carried out by General Practitioners.

The water supply remains satisfactory and has reached nearly all parts of the district. A total of 362.616 million gallons were supplied, compared with 314.233 million gallons in 1969. The fluoride content remains at between 1.0 and 1.5 parts per million and there is no evidence of plumbo-solvent action. Over 9,000 yards of new main were laid in the district during the year. A detailed report appears elsewhere, including the chemical analysis.

Two hundred and thirty new houses have been erected by Private Enterprise and thirty six by the Council. The block of flats at Weeley for senior citizens is hoped to be completed next year. Seventy two houses were rendered fit under the Housing Act, 1957, Section 116.

The Great Bromley and Frating Sewage Scheme was virtually completed and work progresses with the Northern Area Sewage Works. The Paxman Sludge Concentrator is now operating on a permanent basis in the Western Area.

Complaints of nuisances from smells from residents living in the vicinity of intensive farming units have been constantly received, and it is evident that the siting of these units should be carefully considered before planning permission is granted and that methods of disposal of effluent needs to be improved.

Mr. G. W. Yearsley, the Chief Public Health Inspector, reached retiring age in June of this year after twenty three years of service with the Council. Mr. J. Smith, the Deputy Chief Public Health Inspector, was appointed as his successor.

In conclusion, I would like to express my gratitude to the Council, the Public Health Committee, and Officers of the Council for their co-operation during the year, and to the Staff of the Public Health Department for their work.

I am, Mr. Chairman, Ladies and Gentlemen,

Your obedient Servant,

R. A. STENHOUSE,

Medical Officer of Health.

STATISTICAL SUMMARY

Area in acres	...	65,884
Population:		
1970 Registrar General's Estimate		28,500
1961 Census	...	24,733
Density of population per acre		0.43
Rateable value	...	£882,868
Sum represented by penny rate (1970-71)		£3,727.9s.7d.
Number of inhabited dwellings (approx)		11,400
Census	...	8,335
Total live births	...	466
Live birth rate (per 1,000 home population) crude		16.4
Live birth rate (corrected)	...	19.0
Birth rate (England and Wales)		18.0
Total still births	...	2
Total live and still births	...	468
Still birth rate (per 1,000 total live and still births)		4.0
Still birth rate (England and Wales)		13.0
Total deaths	...	413
Death rate (per 1,000 home population)		14.5
Death rate (corrected)	...	10.7
Death rate (England and Wales)		11.7
Death of infants under one year of age		7
Infant mortality rate (per 1,000 live births)		19.0
Infant mortality rate (England and Wales)		18.0
Infant mortality rate - legitimate		21.0
Infant mortality rate - illegitimate		-
Neo-natal mortality rate (Deaths under 4 weeks of age per 1,000 live births)		11.0
Early neo-natal mortality rate (Deaths under 1 week of age per 1,000 total births)		11.0
Peri-natal mortality rate (Deaths and stillbirths under 1 week of age per 1,000 total births)		15.0
Number of illegitimate births		27
Deaths from diarrhoea (under 2 years of age)		-
Maternal deaths (included abortion)		-
Cancer	...	80
Total deaths due to lung cancer		25
Tuberculosis	...	1

LIVE BIRTHS DURING 1970

	Male	Female	Total
Legitimate	243	196	439
Illegitimate	15	12	27

The principal causes of, and various ages at, death are given in the following tables:-

CAUSES OF DEATH DURING 1970

<u>Cause of Death</u>	<u>Male</u>	<u>Female</u>	<u>Total</u>
Cancer	50	30	80
Tuberculosis	1	-	1
Diabetes Mellitus	2	1	3
Other Endocrine etc. Diseases	2	-	2
Anaemias	2	2	4
Multiple Sclerosis	-	1	1
Other Diseases of Nervous System	2	2	4
Chronic Rheumatic Heart Disease	-	2	2
Hypertensive Disease	3	4	7
Ischaemic Heart Disease	67	34	101
Other Forms of Heart Disease	17	15	32
Cerebrovascular Disease	37	37	74
Other Diseases of Circulatory System	13	6	19
Influenza	6	1	7
Pneumonia	10	14	24
Bronchitis and Emphysema	9	2	11
Other Diseases of Respiratory System	2	-	2
Peptic Ulcer	3	-	3
Cirrhosis of Liver	1	-	1
Other diseases of Digestive system	-	1	1
Nephritis and Nephrosis	2	2	4
Other Diseases, Genito-Urinary System	1	-	1
Diseases of Musculo-Skeletal System	-	1	1
Congenital Anomalies	1	1	2
Other Causes of Perinatal Mortality	4	-	4
Motor Vehicle Accidents	8	2	10
All other Accidents	3	6	9
Suicide and Self-inflicted Injuries	2	-	2
All other External Causes	-	1	1
	<u>248</u>	<u>165</u>	<u>413</u>

DEATHS AT VARIOUS AGES DURING 1970

Under 4 weeks	5
4 weeks and under 1 year	4
1 - 4 years	-
5 - 14 years	1
15 - 24 years	6
25 - 34 years	5
35 - 44 years	6
45 - 54 years	23
55 - 64 years	46
65 - 74 years	89
75 and over	228
	<hr/>
	413
	<hr/>

PREVENTION AND CONTROL OF INFECTIOUS AND OTHER DISEASES

The following figures show the number of infectious diseases which were notified in the district during 1970:-

Disease	Cases Notified	Cases at Hospital	Cases at Home	Cases Confirmed	Deaths
Infective Hepatitis	4	-	4	4	-
Measles	162	-	162	162	-
Scarlet Fever	5	-	5	5	-
Dysentery	1	-	1	1	-
Whooping Cough	3	-	3	3	-
Totals:	175	-	175	175	-

TUBERCULOSIS 1970

Age Groups of the one case notified and the one death of Tuberculosis during the year are given in the table below:-

Age Groups in Years	New Cases		Deaths	
	Respiratory		Respiratory	
	M	F	M	F
15 - 25 years	-	1	-	-
75 and over	-	-	1	-
Totals:	-	1	1	-

Notifications and Deaths from Tuberculosis since 1963:

<u>Year</u>	<u>New Cases</u>	<u>Deaths</u>
1963	6	1
1964	4	-
1965	8	-
1966	1	1
1967	4	1
1968	3	1
1969	2	-
1970	1	1

The following figures give the number of cases on the register at the end of 1970:-

Respiratory Male	45	Non-Respiratory Male	5
Respiratory Female	31	Non-Respiratory Female	5
	<u>76</u>		<u>10</u>

Total: 86.

SANITARY CIRCUMSTANCES OF THE AREA

WATER SUPPLIES

The Tendring Hundred Waterworks Company supply and distribute all the mains water in the district. The following information about the Waterworks Company's Supply has been given by Mr. J. A. J. Rayner, C. Eng., M.I.C.E., M.I.W.E., the Chief Engineer of the Company.

"Practically the whole of the water supplied to the district was obtained from our Dedham Pumping Station, with some assistance from the Company's subsidiary sources at Lawford, Great Bentley, Stratford-St-Mary and Higham.

The estimated quantity of water supplied to the area of the Tendring Rural District, in the twelve months ending 31st December, 1970, amounted to 362.616 million gallons; an average daily consumption of 0.993 million gallons.

The total quantity taken for domestic purposes during the year was 238.330 million gallons; an average daily consumption of 0.653 million gallons. The total amount taken through trade meters was 124.278 million gallons; an average daily consumption of 0.340 million gallons.

The total number of connections (domestic and trade) made in the year in the Rural District amounted to 327.

Approximately 9,407 yards of new mains were laid in Tendring District during the year.

With regard to the information required under items (a) to (e) this is as follows:

- (a) The supply of water to the district has been satisfactorily maintained, both in quantity and quality.

Samples of raw water are taken monthly, these are generally for chemical analysis only.

Monthly samples at each station are taken after aeration and chlorination and for these both the chemical and bacteriological results are given in the analyses.

In addition to the above, samples are also taken bi-monthly of all water stored in the Company's reservoirs, tanks and water towers. Those samples are submitted for bacteriological examination only.

- (b) There is no evidence of plumbo-solvent action.
- (c) At the pumping station where continuous chlorination is carried out, a test of the chlorine residual is made once per shift (i.e. every 8 hours); a residual of 0.2 p.p.m. of chlorine is maintained.

If samples taken from storage show high bacteriological counts, then a further check sample is taken for presumptive test, the results of which are known within 48 hours. If the high count is confirmed the storage reservoir etc. is taken out of service while the contents are thoroughly sterilized with a fairly high dose of chlorine.

- (d) The population supplied is approximately 28,000 and there are 214 standpipes in use supplying domestic properties and caravan sites, and possibly a further 500 or so standpipes in use as subsidiary points on commercial sites, domestic properties as garden watering points and in farm properties for agricultural use.
- (e) The Fluoride content of the water supplied in the Tendring Rural District Council area is of the order of 1.0 p.p.m. to 1.5 p.p.m."

PUBLIC WATER MAINS

Dwelling houses connected to public water mains		
Parish	Number of houses	Population 1961 Census
Alresford	640	926
Ardleigh	433	1,860
Beaumont	95	352
Bradfield	309	811
Elmstead	464	854
Frating	60	323
Great Bentley	723	1,155
Little Bentley	68	260
Great Bromley	250	780
Little Bromley	32	256
Little Clacton	883	1,647
Lawford	859	1,974
Manningtree	200	524
Mistley	702	2,115
Great Oakley	297	680
Little Oakley	340	978
Ramsey	862	2,276
St. Osyth	1,535	1,857
Tendring	219	815
Thorpe-le-Soken	581	1,606
Thorrington	301	689
Weeley	505	951
Wix	194	665
Wrabness	121	379
	<u>10,673</u>	<u>24,690</u>

TENDRING HUNDRED WATERWORKS COMPANY

DEDHAM WORKS - WATER ANALYSES

Chemical Results in Parts per Million

1970

	<u>Maximum</u>	<u>Minimum</u>
Colour	6	nil
pH	7.7	7.5
Electric Conductivity	960	810
Chlorine present as chloride	142	114
Hardness		
Total	300	290
Carbonate	275	260
Non-carbonate	35	15
Nitrate Nitrogen	0.5	0.0
Ammoniacal Nitrogen	0.80	0.24
Albuminoid Nitrogen	0.02	0.00
Metals (Iron)	0.18	0.08
Metals (Zinc, Copper, Lead)	absent	absent
Turbidity	less than 1	nil
Odour	nil	nil
Free Carbon Dioxide	17	10
Total Solids	640	540
Alkalinity as Calcium Carbonate	275	260
Nitrite Nitrogen	less than 0.01	absent
Oxygen absorbed	0.40	0.10
Residual Chlorine	0.40	0.08

BACTERIOLOGICAL RESULTS

	<u>1 day</u> <u>at 37°C.</u>	<u>2 days</u> <u>at 37°C</u>	<u>3 days</u> <u>at 20°C.</u>
Number of Colonies			
developing on Agar Minimum	0 per ml.	0 per ml.	0 per ml.
Maximum	1 per ml.	2 per ml.	6 per ml.
	<u>Present</u> <u>in</u>	<u>Absent</u> <u>from</u>	<u>Probable</u> <u>Number</u>
Presumptive Coliaerogenes			
Reaction	- ml.	100 ml.	0 per ml.
Bact. coli (Type I)	- ml.	100 ml.	0 per ml.
Cl. welchii Reaction	- ml.	100 ml.	

REMARKS

These samples are practically clear and bright in appearance and have a reaction on the alkaline side of neutrality and are free from metals apart from a minute trace of iron. The water is hard in character but its hardness and its content of mineral and saline constituents in solution are not excessive. It conforms to the highest standard of organic quality and bacterial purity.

These results are indicative of a water which is pure and wholesome in character and suitable for public supply purposes.

All samples were analysed by the Counties Public Health Laboratories

HCUSING

New houses erected:-

By Private Enterprise	230
By the Council	36

IMPROVEMENT GRANTS

Financial grants were made available to owners for carrying out approved improvement/conversion work to older type houses, including:-

Discretionary Grants	13
Standard Grants	58

SEWERAGE

Northern Area Sewerage Scheme

Tenders were received in the late Autumn for part of Phase I, that is, for the intercepting sewer and pumping station at Mistley Quay.

Great Bromley/Trating Sewerage Scheme

This scheme was virtually completed within 1970.

Western Area Sewerage Scheme

The permanent installation of the Paxman Sludge Concentrator has now been completed.

SANITARY INSPECTION

The following is a summary of the principal inspections and visits made by the Public Health Inspectors during the year and the Notices served..

	Total Inspections	Notices Served	
		Informal	Formal
Houses unfit	46		17
Houses unfit revisits	92		
Houses with defects	41	27	
Houses with defects revisits	34		
Houses drainage	152	8	
Houses sanitary accommodation	1		
Improvement grants	454	68	
Water supplies	88	10	
Water samples collected	68		
Schools	4		
Food premises and vehicles	47		
Bakehouses	8		
Factories	19		
Shops	10	8	
Camping grounds and caravans	57	4	
Infectious disease enquiries	1		
Food poisoning enquiries	1		
Refuse tips and deposits	156	1	
Rats and Mice infestations	5		
Polluted rivers and ditches	32		
Sewage Works	1		
Piggeries	43	3	
Slaughterhouses	419		
Nuisances from animals	22	1	
Contractors or owners interviewed	179		
Animal boarding establishments	8		
Flooding	69	9	
Abandoned cars	8		
Refuse collection bonus routes	8		
Searches	38		
Scrap metal dealers	8		
Vehicle repairs	5		
Insurance claims	1		
Barges	34	3	
Lawford Ironworks	5	1	
Offices, Shops and Railway Premises	79	6	

	Total Inspections	Notices Served	
		Informal	Formal
Noise nuisances	14	1	
Club Registration	2		
Public health nuisances	6		
Farms	4		
Markets	5		
Swimming Pools	2		
Milk samples	38		
Unfit Food	5	4	
Miscellaneous	226	2	
	<u>2,543</u>	<u>156</u>	<u>17</u>

FOOD PREMISES

The following table sets out the number of food premises subject to the Food Hygiene (General) Regulations, 1960, grouped in categories of trade carried on in them and includes the following approximate information for each category separately:-

Type of premises	Number of premises	Number of premises fitted to comply with Reg. 16.	Number of premises to which Reg. 19 applies	Number of premises fitted to comply with Reg. 19.
Cafes and Restaurants	17	17	17	17
General Provisions Shops	108	108	108	108
Bakery Shops	10	10	10	10
Butchers Shops	20	20	20	20
School Kitchens	25	25	25	25
Wholesale Grocers	1	1	1	1
Public Houses	52	52	52	52
Ice Cream Kiosks	1	1	1	1

OFFICES SHOPS AND RAILWAY PREMISES ACT, 1963.

Registrations and General Inspections

Class of premises	Number of premises newly registered during the year	Total number of registered premises at end of year	Number of registered premises receiving one or more general inspection during the year
(1)	(2)	(3)	(4)
Offices	2	43	2
Retail Shops	4	75	15
Wholesale Shops, warehouses	-	4	2
Catering establishments open to the public canteens	-	16	1
Fuel storage depots	-	4	2
Totals:	6	142	22

Number of visits of all kinds (including General Inspections) to Registered Premises ... 79

Analysis by workplace of persons employed in Registered Premises at end of year

Class of workplace (1)	No. of persons employed (2)
Offices	405
Retail shops	185
Wholesale departments warehouses	29
Catering establishments open to the public	70
Canteens	9
Fuel storage depots	11
Total	709
Total Males	398
Total Females	311

No exemptions regarding space temperature, sanitary conveniences and washing facilities were made during the year and no prosecutions instituted, all contraventions of the Act and regulations made thereunder having been resolved by informal action.

FACTORIES

FACTORIES ACT, 1961

PART I OF THE ACT

1. Inspections for purposes of provisions as to health

Premises (1)	Number on Register (2)	Number of Inspec- tions (3)	Written Notices (4)	Occupiers prosecuted (5)
i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities	5	-	-	-
ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	87	27	4	-
iii) Other premises in which Section 7 is enforced by the Local Authority (excluding outworkers' premises)	-	-	-	-
Totals	92	27	4	-

2. Cases in which defects were found.

Particulars	Number of cases in which defects were found				Number of cases in which prosecutions were instituted
	Found	Reme- died	Referred		
			To H.M. Inspec- tor	By H.M. Inspec- tor	
(1)	(2)	(3)	(4)	(5)	(6)
Want of Cleanliness (S.1.)	3	3	-	-	-
Overcrowding (S.2.)	-	-	-	-	-
Unreasonable temperature (S.4.)	-	-	-	-	-
Inadequate ventilation (S.5.)	-	-	-	-	-
Ineffective drainage of floors (S.6.)	-	-	-	-	-
Conveniences (S.7.) (a)					
Unsufficient (b) Unsuitable or defective	1	1	-	-	-
(c) not separate for sexes	-	-	-	-	-
Other offences against the Act (not including offences relating to outwork)	-	-	-	-	-
Totals.	4	4	-	-	-

PART VIII OF THE ACT

SECTIONS 133 and 134

Section 133				Section 134
Nature of work	Number of Outworkers in August list re- quired by Section 110 (1) (c)	Number of cases of default in sending lists to the Council	Number of prosecu- tions for failure to supply lists	Number of instances of work in unwholesome premises
(1)	(2)	(3)	(4)	(5)
Wearing Apparel Making etc.	5	-	-	-

The premises were inspected and found to be in a satisfactory condition.

